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Cc: [Eric Blischke/R10/USEPA/US@EPA](#); [Chip Humphrey/R10/USEPA/US@EPA](#); [JOHNSON Keith](#); [MCCLINCY Matt](#)
Subject: FW: Portland Harbor FS Matrix
Date: 09/16/2009 02:00 PM

Hey, everybody,

During our last Portland Harbor (PH) DEQ Project Manager meeting, Matt and I described how EPA/partners are developing an FS Matrix for each of the 25-some Areas of Potential Concern (AOPCs). EPA/partners will use the FS Matrix information to support the FS & to help develop the AOPCs into sediment management areas. The matrices will include AOPC-specific information describing contaminants of interest, source areas, current & future land use, site characterization, geotechnical considerations, etc. Most of the information in the matrices describe in-water issues..., & EPA has largely relied on the Lower Willamette Group (LWG) to provide that in-water information. However, the matrices also include upland information. We know these upland sites better than the LWG consultants & better than EPA. So, I'm asking you to help us populate portions of these matrices.

Starting Tues 9/22, we've scheduled a series of Tues afternoon meetings thru the end of October here in NWR with EPA to have our DEQ PMs come in, discuss your sites, & help EPA/partners populate the matrices. I envision going-over about 4 AOPCs per meeting. We held a test-case meeting in 8/09 using AOPC 1 & brought our Oregon Steel Mills PM (Jenn S) in to help. That meeting went well, & Jennifer provided good site knowledge that she knew better than anyone else.

So, here's what I'd like to do.

1) Review the AOPC Map- Get an idea of the size & location of the particular AOPCs & where your upland sites sit in relationship to the AOPCs. The AOPC map can be found at:

[V:\Portland Harbor\AOPCs](#) file name: AOPC Map 6_09.pdf

2) Identify what upland sites go with what AOPCs- Here's how I see upland sites matching up with AOPCs:

AOPC 1- OSM (Jenn S) & Con Metco (Mike R)

AOPC 2- Time Oil (Ken), PEO (Ken)

AOPC 3- Schnitzer Steel & BIP (Jim O), T4 Slip 1 (Tom)

AOPC 4- O-C Fiberglass (Shawn), GP Linnton/Morse Bros (Tom)

AOPC 5- O-C Fiberglass (Shawn), KM Linnton (Mike R), LPA

(Loren, Jim A, Matt)

AOPC 6- T4 (Tom, Jim A)

AOPC 7- LPA (Loren, Jim A, Matt)

AOPC 8- Arco/BP (Tom), Exxon/Mobil (Tom)

AOPC 9- NuStar (Jim O), Brix (Jim O), Marine Finance (Mark)

AOPC 10- T4 ASA (Tom)

AOPC 11- MarCom (Mike R), BES Lab (Mark)

AOPC 12- BES Lab (Mark), Crawford St (Tom)

AOPC 13- Willamette Cove (Ken)

AOPC 14- Gasco/Siltronic (Dana), Arkema, Matt), GS Roofing (Ken), RPac (Dave)

AOPC 15- McCormick & Baxter (Scott)

AOPC 16- Willbridge (Mike R), McCall (Jim O)

AOPC 17- Triangle Park (Dana, Jim, EPA), Portland Shipyard (Dave), Fred Devine (Karen)

AOPC 18- Front Ave LP (Mike R), Shaver (Mark), Lakeside (?)

AOPC 19- Gunderson (Shawn), Texaco (Matt)

AOPC 20- OF-16 & 17 (Karen)

AOPC 21- Portland Shipyard (Dave)

AOPC 22- Port (?)

AOPC 23- Ash Grove (?)

AOPC 24- Sulzer (Mark)

AOPC 25- CLD (Karen)

AOPC 26- Fremont Bridge west side (?)

3) Review EPA's draft AOPC-specific FS Matrix for your particular sites- The draft

matrices can be found at:

V:\Portland Harbor\AOPCs

4) Populate appropriate sections of the Matrices with upland information from your sites- This can be done electronically (by editing the matrices & “save as”), in hand-edited hard copy, or informally with the understanding that we’ll convey the information to EPA during the Tues meetings. Any of these options work. **I’d like to restrict your prep time effort to 1-3 hrs site.** Both your prep time & time at the meeting can be charged to the PH RI/FS (QTime 34342).

I realize we’re all at different places in the investigation/SC for different sites, so our knowledge of the different sites will vary. I also realize that we may not know the answer to all the questions & may not be able to populate each matrix as well as we’d like to. The most important information I’d like you to focus on is in the following sections of the matrices:

-Potential Upland Sources- What are the COCs & what are the contaminant migration pathways?

-Recontamination Potential- Will anticipated source control measures minimize the potential for recontamination by the PH ROD (late-2012)?

-Current & Future Land Uses- What’s the current & reasonably likely future land use of the site & neighboring sites? Is their viable eco habitat at the site? What kind of accessibility is there from the upland to the beach (e.g., poor accessibility because of steep rip-rap river bank)?

-Site Characteristics- Navigation- Is there active & anticipated future shipping/berthing? Are there plans for maintenance dredging in the future?

-Site Characteristics- Obstructions- Are there subsurface utility crossing under the river near the site? Are docks/wharfs/pilings/etc present in the river near the site?

You can use Jennifer’s AOPC 1A (V:\Portland Harbor\AOPCs) as a good example of the level of effort & type of information we’re looking for.

EPA also requested that our PMs review the entire matrix associated with your site, just as a check to make sure the in-water information EPA entered jives with your knowledge of the area.

5) Plan to attend the Tues afternoon mtgs-Matt & I will develop a schedule largely based on your availability, grouping the AOPCs by areas & level of complexity. Here's our tentative schedule..., which can be adjusted based on your availability, your readiness, & how quickly we're getting thru this effort. What we need to do is lock down the AOPCs for the 9/22 ASAP so we have time to prepare. Matt &/or I will stop by & check with you all.

Tues 9/22- **AOPC 2** (Time Oil & PEO- Ken); **AOPC 3** (Schnitzer- Jim O & T4 Slip 1- Tom); **AOPC 4** (O-C Fiberglass- Shawn & GP Linnton- Tom); **AOPC 5** (O-C Fiberglass- Ken, KM Linnton (Mike R, LPA (Jim A/Matt)

Tues 9/29- **AOPC 13** (Willamette Cove-Ken), **AOPC 15** (M&B- Scott); **AOPC 16** (Willbridge- Mike R); **AOPC 17** (Triangle Park- Jim A & EPA, Portland Shipyard- Dave, Fred Devine- Karen)

Tues 10/6- **AOPC 6** (T4- Tom & Jim A); **AOPC 7** (LPA- Jim A & Matt); **AOPC 8** (ARCOP/BP- Tom), Exxon/Mobil (Tom); **AOPC 10** (T4 ASA- Tom); **AOPC 11** (MarCom- Mike R, BES Lab- Mark); **AOPC 12** (BES Lab- Mark, Crawford St- Tom)

Tues 10/13 **AOPC 9 A&B** (NuStar- Jim O, Brix- Jim O, Marine Finance- Mark, Gasco/Silt- Dana, RPac- Dave); **AOPC 14** (Gasco/Silt- Dana, Arkema- Matt, GS Roofing- Ken)

Tues 10/20- **AOPC 18** (Front Ave- Mike R, Shaver- Mark, Lakeside- ?); **AOPC 19** (Gunderson- Shawn, Texaco- Matt)

Tues 10/27- **AOPC 20** (OF-16/17- Karen, Gunderson-Shawn); **AOPC 21** (Portland Shipyard- Dave); **AOPC 22** (Port- ?); **AOPC 23** (AshGrove- ?); **AOPC 24** (Sulzer- Mark); **AOPC 25** (CLD- Karen); **AOPC 26** (Fremont Bridge Area- ?)

One more thing..., these draft matrices are a draft work product supporting a future project decision & need to be held confidential..., i.e., don't share with your RP/consultants.

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